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**Project Title: SYMPOSIUM E - PROPERTIES OF II-VI SEMICONDUCTORS:
Bulk Crystals, Epitaxial Films, Quantum Well Structures**

Summary

The 1989 Fall Meeting of the Materials Research Society was held November 27 - December 2, 1989 in Boston, Massachusetts. The focus of Symposium E dealt with recent developments in II-VI semiconductors. The meeting covered a wide variety of topics including synthesis of II-VI materials (bulk crystals, thin films, and layered structures), properties studies (electrical, optical, photoelectric, structural, mechanical), defects (theory and measurement), controlled substitutional doping, and applications of II-VI semiconductors.

The II-VI compound semiconductors possess characteristics which, as a group, are unique. Among the most active areas of investigation in these materials today are blue light emitters based on ZnSe, infrared detectors based on mercury-containing compounds such as HgCdTe, and the properties of dilute magnetic semiconductors.

Symposium E was a huge success, the meetings were attended by 250 researchers from across the globe, nearly 100 papers were orally presented. There were eighteen invited speakers. The funds from this grant were used to subsidize the invited speakers for travel and registration.

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INVITED SPEAKERS

Dr. J. Arias
Rockwell Science Center
Thousand Oaks, CA

Dr. S. Y. Auyang
Massachusetts Institute of Technology
Cambridge, MA

Dr. J. Depuydt
3M Corporation
St. Paul, MN

Professor J. K. Furdyna
University of Notre Dame
Notre Dame, IN 46556

Professor S. Ghandhi
Rensselaer Polytechnic Institute
Troy, NY

Professor N. C. Giles
West Virginia University
Morgantown, WV

Dr. C. A. Hoffman
Naval Research Laboratory
Washington, DC

Professor Makoto Konagai
Tokyo Institute of Technology
O-Okayama, Miguro-Ku, Japan

Professor Hiroshi Kukimoto
Tokyo Institute of Technology
Midori-Ku, Yokohama, Japan

Dr. Y. Marfaing
Laboratoire de Physique des Solides de Bellevue
Centre National de la Recherche Scientifique
Meudon Principal Cedex, France

Dr. S. McDevitt
II-VI Incorporated
Saxonburg, PA

Professor T. C. McGill
California Institute of Technology
Pasadena, CA

Professor Y. Nemirovsky
Technion-Israel Institute of Technology
Haifa, Israel

Professor A. Nurmikko
Brown University
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Professor T. Taguchi
Osaka University
Suita, Osaka, Japan

Dr. M. Tamargo
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